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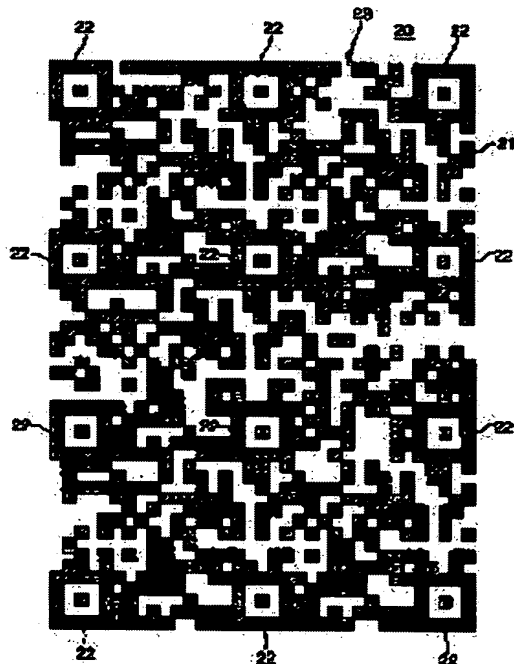
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(54) DIGITAL INFORMATION RECORDING CARRIER, METHOD AND DEVICE FOR RECORDING DIGITAL INFORMATION, AND METHOD AND DEVICE FOR CONVERTING DIGITAL INFORMATION INTO PLAIN ONE



(57)Abstract:

PURPOSE: To prevent the read errors from being generated all over the information recording area even if the area for the information recording area is enlarged by arranging specified patterns for which marks are attached to plural squares connected in a special shape according to a prescribed pattern in the inner part separated from the outer periphery of the information recording area.

CONSTITUTION: The squares in a matrix shape corresponding to the bits of digital information are virtually set on the recording surface 20 of this digital information recording carrier and white or black is attached as an optically recognizable mark in the respective squares. Then, within the information recording area 23 where the information is actually recorded within the recording surface 20, the plural specified patterns 22 for which the white and the black are

attached to the plural squares connected in the specified shape by the specified pattern are arranged in the clearance of the area 21 for expressing the original recording information.

The specified patterns 22 belonging to a top stage, a lowest stage, a left column and a right column are arranged along the outer periphery of the information recording area 23 and the remaining specified patterns 22 are arranged in the inner part (near the center part) separated from the outer periphery of the information recording area 23.

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